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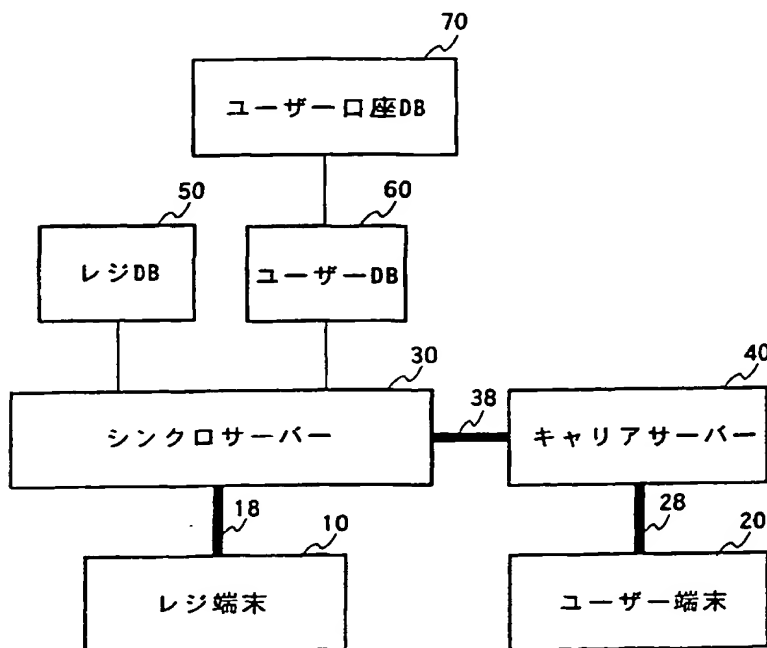
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- (51) 国際特許分類⁷: G06F 19/00 // 157:00 (72) 発明者; および
(21) 国際出願番号: PCT/JP00/02014 (75) 発明者/出願人 (米国についてのみ): 中島啓一 (NAKA-JIMA, Keiichi) [JP/JP]; 〒104-0032 東京都中央区八丁堀1-7-7 イーマークシステムズ株式会社内 Tokyo (JP).
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特願平PCT/JP99/04178
1999年8月2日 (02.08.1999) JP
(71) 出願人 (米国を除く全ての指定国について): イーマークシステムズ株式会社 (E-MARK SYSTEMS INC.) [JP/JP]; 〒104-0032 東京都中央区八丁堀1-7-7 Tokyo (JP).

/続葉有/

(54) Title: ELECTRONIC SETTLEMENT SYSTEM, AND SETTLEMENT DEVICE AND TERMINAL

(54) 発明の名称: 電子決済システム、決済装置及び端末



70...USER ACCOUNT DB
50...REGISTER DB
60...USER DB
30...SYNCHRONOUS SERVER

40...CARRIER SERVER
10...REGISTER TERMINAL
20...USER TERMINAL

(57) Abstract: A simple, safe electronic settlement system. A user terminal (20) such as a portable telephone is connected to a synchronous server (30) at a store by radio. A register terminal (10) in the store is connected to the synchronous server (30) through a leased line. The register terminal receives trade identification number for identifying the trade from the synchronous server and notifies the user of it. The user inputs the trade identification number into the user terminal to send it to the synchronous server. The synchronous server completes the settlement between the register and user terminals correlated with each other by means of the trade identification number. The register terminal authenticates the user through the synchronous server. Since the user completes the settlement without allowing the shop to know the user's personal information including the credit card number and the password, the security is improved.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/02014

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G06F19/00 // G06F157:00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ G06F19/00, G06F 17/60, G06F 15/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1926-1996 Jitsuyo Shinan Toroku Koho 1996-2000
Kokai Jitsuyo Shinan Koho 1971-2000 Toroku Jitsuyo Shinan Koho 1994-2000

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US, 5608778, A (Lucent Technologies, Incorporated), 04 March, 1997 (04.03.97) & CA, 2156206, A, C & EP, 708547, A2 & JP, 8-096043, A Paragraph; "These deficiencies are overcome with a slightly altered approach.."	27, 28
X	WO, 98/21677, A1 (Matsushita Electric Ind. Co., Ltd.), 22 May, 1998 (22.05.98) & CN, 1212773, A & EP, 910028, A1 & JP, 10-198739, A Figs. 43, 36(b) (d)	27, 28
X	WO, 99/09502, A1 (Matsushita Electric Ind. Co., Ltd.), 25 February, 1999 (25.02.99) & AU, 98-86484, A1 & CN, 1246941, T & EP, 950968, A1 Figs. 84, 135(b) (d)	27, 28
Y	JP, 10-289267, A (Sony Corp.), 27 October, 1998 (27.10.98) (Family: none) Fig. 24 (S159-S164)	1-19, 27-53

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/02014

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP, 10-207946, A (Computer Consulting K.K.), 13 August, 1998 (13.08.98) (Family: none)	1-19, 27-53
Y	JP, 11-096252, A (Hitachi, Ltd. et al.) 09 April, 1999 (09.04.99) (Family: none)	1-19, 27-53
Y	JP, 3-282763, A (NEC Corporation), 12 December, 1991 (12.12.91) (Family: none)	19
Y	JP, 9-116960, A (Fujitsu Limited), 02 May, 1997 (02.05.97) (Family: none)	37
Y, P	EP, 935221, A2 (Mitsubishi Electric Corporation), 11 August, 1999 (11.08.99)	36
A, P	& JP, 11-224236, A See the fig. 11 (SP2B-SP12A-SP20A)	20-26
A	WO, 97/49074, A1 (VeriFone Incorporation), 24 December, 1997 (24.12.97) & AU, 97-36406, A1 & US, 5889863, A Section; "Thread-Safe vPOS-TID Allocation"	1-53